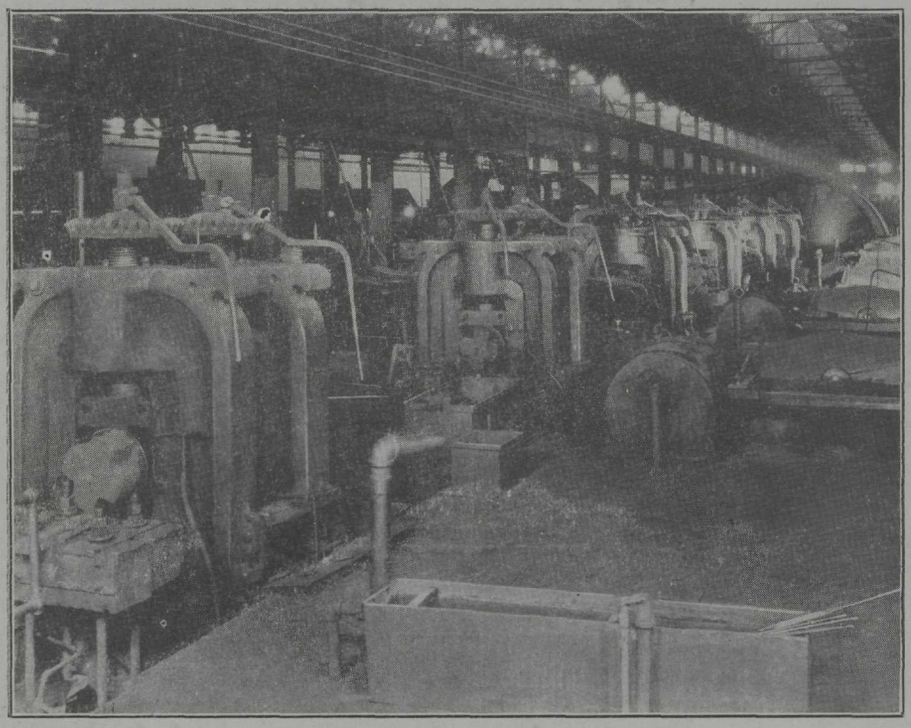
THE OHIO STATE ENGINEER



MEMBER OF ENGINEERING
COLLEGE MAGAZINES ASSOCIATED

APRIL
1929

A New Source of **POWER**. .

The continued industrial expansion of America depends, in a large measure, upon the availability of an ample supply of cheap power.

A most efficient Industrial Steam Cycle is coming into use; a cycle which through the use of high initial steam pressures provides a source of cheap power for any plant using steam for processing.

There has been a definite trend toward the adoption of higher steam pressures in the Public Utility field. Our intimate identification with this development led to the realization that the use of high pressures could be advantageously extended to Industrial plants by generating steam at a pressure sufficiently high to develop the amount of power required, when the turbines or engines are exhausting at a pressure high enough to meet the steam needs for process work. The prime movers thus act as reducing valves and the steam serves a double purpose in its reduction from initial pressure to final exhaust pressure.

The cycle is simple, dependable and economical.

Several installations of this type are already in successful operation. Several more are designed and in course of construction.

This Company has developed, manufactured and installed all types of steam generating equipment covering a wide range of pressures up to 1400 lb. per square inch —and, we are now building units to operate at 1800 lb. pressure. This will be the highest steam pressure in commercial use in America and the plant in which these units are being installed, will be the largest steam plant in the world operating at such a pressure.

The use of high pressures involves many engineering problems which necessitate close coordination of fuel burning and steam generating equipment. As pioneers in the development of complete steam generating units—both stoker and pulverized fuel fired types—Combustion Engineering Corporation is in a position to give valuable counsel to those interested in the economies of high pressure steam.

COMBUSTION ENGINEERING CORPORATION
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